

A

- AAAS meeting 5
 AAP workshop 21, 22
 ABM 397, 427
 AEC
 appropriations 148, 503
 AEC manpower cuts 192
 ALSEP, Alternatives 499
 ALSEP, Apollo 13 354
 AMA's new image 47
 ATP, Three-dimensional 200
 ATS-F, Laser 9
 ATS III satellite 573
 AWACS 149
 AZUR, German satellite 208
 Abelson, Philip 476
 Abortion
 California 219
 Drug-induced 200
 Hawaii 219
 Legislation 75, 76, 219
 Abrahamsson, Sture A. A. 555
 Abyssal Plain, Umbellu 586
 Accelerators
 Batavia 148, 380, 479
 CERN 408, 479, 615
 Economy 239, 298
 LAMPF 617
 Medium-energy 328
 Princeton-Pennsylvania 145, 148, 172
 Acoustical shock waves 553
 Activism, Students' 397, 475
 Adams, David S. 502
 Adelman, Richard C. 98
 Adey, Ross 2
 Adler, Victor 532
 Adrenalin secretion 132
 Advertisements, Negroes 247
 Aerial spraying, Detergent 12
 Aeronomy center 124
 Africa, Geological faults 39
 Agallianos, D. 301
 Aggression, Alcohol 125
 Neurochemistry 197
 Aging, Adjustment to 589
 Aging, Glucokinase 98
 Agrell, S. O. 101
 Agro-industrial complex 444
 Air Force
 Missile target 175
 NASA research 204
 UFO records 8
 Air pollution
 CO research 59
 Dual-fuel system 12, 74
 Exhaust gases 167
 Federal funds 147, 502
 Isotope identification 223
 Jets 95
 Lung cancer 483
 Resistant plants 555
 Smoke stacks 538
 Air quality standards 243, 284
 Air safety, Fuel system 128
 Air sampling 223, 538
 Air/sea interface, CO 96
 Air traffic control 95, 340
 Airframe nozzle 175
 Airport, High-rise 481
 Airport Airway Development Act 520
 Alaska
 North Slope oil 467, 594
 Oil pipeline 179, 432, 486, 528
 Alberty, Robert A. 366
 Alcohol
 Aggressiveness 125
 Effect on leukocytes 152
 Histamines 619
 Alcoholism
 Federal offenders 551
 Hyperactive children 507
 Pancreatitis 482
 Aldrete, J. Antonio 202
 Aldrin, Edwin E. Jr. 5, 523
 Alfalfa weevil 620
 Alfven, Hannes 465
 Algae, Blue-green 284
 Alkhanian, Artemii Isaakovich 438
 Albright, Charles C. 174
 Allen, Alfred 289
 Allen, James E., Jr. 265
 Allen, Jody 217
 Allen, Leland C. 18, 287, 554
 Alloying method 12
 Alloys
 Dispersion-strengthened 107, 108
 Superconducting 313
 Alpert, Daniel 36
 Alumina ore 250
 Aluminum alloy 578
 Aluminum 26 578
 Alvarez, Luis W. 69
 Ambulatory-care 267
 Amchitka
 Nuclear device 367
 Ocean undertrusting 434
 American Chemical Society 391
 American College of Surgeons 317
 American Medical Association 47, 615
 American Physical Society 452
 American Physicians Association, Lobby 452
 American Psychological Association 391
 Ammonia ice, Saturn 215
 Animals, AMP signals 297
 Amos, Bernard 297
 Analgesics 195, 300, 474
 Anders, Edward 33, 61, 214, 245
 Anderson, J. M. 459
 Anderson, Laurens 568
 Andrade, Joseph D. 176, 372
 Andrieu, Vincent T. 376
 Androgen
 Antiandrogen 554
 Andrus, Dale 179
 Anesthesia, Epidural 435
 Anesthesia, Organ 202
 Anesthetics 346, 619
 Aneurysm, Surgery of chest 435
 Angino, Ernest E. 321, 539
 Anhepatic state 202
 Animal feeds 618
 Animal, Eaten food 247
 Anomalous water 17, 71, 287
 A-norprogesterone 554
 Anorthosites, Lunar 69
 Anslinger, Harry J. 156
 Ansover, Manoug 244
 Antarctic paleontology 324, 350
 Antibiotics, Food animals 26, 618
 Antibodies, Anti-DNA 323
 Anticlotting technique 176
 Anticoagulant/anti-thy-pertensive drugs 300
 Antidotes
 preparations 526
 Antigen, Australian 584
 Antigen, Tumors 346, 482
 Antihelium 3 218
 Antineutrino, Helicity 318
 Antioxidant, Rubber 319
 Anticancer drugs 70
 Aphid lion 319
 Artificial intelligence 319
 Apollo Applications Program 21, 95, 149
 Apollo changes 61
 Apollo crews, sites 369
 Apollo launches 369
 Apollo 11 findings 33, 64, 99, 243
 Apollo 12 experiments 269
 Apollo 12 rocks 428
 Apollo 13
 Abort 387, 407, 431, 571
 Landing
 sites 61, 243, 353
 Review Board 455, 571
 Recommendations 598
 Service module 407, 571
 Apollo 14
 Crew 407
 Experiments 499
 Fra Mauro site 478
 Launch date 455, 571
 Apollo 15 369, 571
 Apollo 16
 Laser-Altimeter 481
 Lunar elimination 60
 Applied research 145
 Arctic ecology
 Pipelines and tankers 486, 528
 Arctic oil, Canada 420, 442, 466
 Arctic research, Canadian/U.S. 405
 Arctic Research Program 218
 Arecibo Observatory 145
 Argon 40, Luna soil 35
 Arman, Ara 128
 Armstrong, Ellis L. 329
 Armstrong, Neil A. 520
 Army, Black alienation 301
 Arnold, David O. 157
 Arnold, James R. 33, 35
 Arnold, W. D. 90
 Aromatics, Marine organisms 263
 Arsenic
 Detergents 321, 539
 Arterial lesions, CO 96
 Arteriosclerosis
 Enzyme defect 530
 Peanut oil suspect 40
 Arthritis, Hand 317
 Artificial cells 389, 568
 Artificial heart
 Implantable 347, 375
 Testing 500
 Artificial organs
 Anticlotting techniques 176
 Materials research 347
 Artificial sweetener, Glycine 530
 Artificial tooth 10
 Ash, Roy L. 267
 Ashcroft, Neil W. 625
 Aspirin, Anti clotting 410
 Asthma, Link with amines 246
 Asthmatic children 176
 Astronauts
 AAP workshop 22
 Pre-launch isolation 580
 Radiation dose 523
 Vision on moon 246
 Aspergillus 415
 Athroclerolosis 96
 Berger, Rainer 574
 Bering Sea, Oil 320
 Berkowitz, Norman 397
 Berliner, Robert 476
 Bernstein, Selden 45
 Berry, Charles 22, 253
 Binary star, Supernova 553
 Bioanalyzer 331
 Biochemists, FASEB 429
 Biomedical engineering 347
 Biomedical research 596
 Biophysical Society 260
 Bioscience, NASA 37
 Birds, PCB hazard 321
 Birth control pills 182
 British data 430, 431
 Estrogen 266, 599
 Minipill 93
 Birth defects, Lithium carbonate 63
 Bishop, Agnes 199
 Bissell, Joan S. 247
 Blachly, Paul 390
 Black hole hypothesis 465
 Black scientists 383, 391
 Black students 370
 Black veterans 301
 Blackburn, Robert D. 72
 Blomont, Jacques 175
 Black, Eugene E. 127
 Bleeding, Pressure suit 40
 Block copolyurethane 376
 Blonsky, E. Richard 127, 404
 Blood clots
 Artificial organs 176, 376
 Clotting factor 199
 Estrogen 430
 Heart-lung machine 346
 Blood-compatible plastic 377
 Blood donors
 Hepatitis tests 200, 584
 Blood flow, Computer 416
 Blood flow rate, Controlled 128
 Blood pressure
 Conditioning 274, 275
 L-dopa 199
 TBC 105
 Blood vessel
 degeneration 416
 Blumberg, Baruch S. 584
 Blumer, Dietrich 506
 Blumer, Max 263, 551
 Bobwhite, Masked 405
 Bobrov, Nikolai N. 120
 Bolyanovsky, D. M. 12
 Bonatti, Enrico 579
 Bond, James 72
 Bonds, Metal, nonmetal 12
 Bone repair 127, 562
 Bonner, James 484
 Borgese
 Elizabeth Mann 526, 613
 Born, Max 38
 Boulding, Kenneth 451
 Bourdon, Reginald A. 90
 Bowers, Kenneth S. 322
 Bradbury, Norris E. 615
 Bradley, Eli 107
 Bragg, Sir Lawrence 366
 Brain function
 Calcium levels 246
 Carbon monoxide 96
 Brain surgery
 Homosexuals 50
 Radiotherapy 272
 Through chest 435
 Brain tumors, Negroes 435
 Brain waves, Meditation 370
 Bramwell, Cherrie D. 247
 Brand, Vance 369
 Brandborg, Stewart 179, 389
 Brans-Dicke theory 575
 Brayton, Robert G. 352
 Breast tumor virus 611
 Breathing, Before birth 530
 Breed, William J. 325, 350
 Breeder reactors 148, 444
 Brewer, Harold E. 70
 Brewster, Kingman, Jr. 364
 Briggs, John C. 339
 Brill, Henry 339
 Brine, Gliorieta rocks 314
 Brinsley, C. M. 329
 Britain, Marine science 256
 British research 160
 Brocksen, Robert 248
 Bromine, exhaust 539
 Brooke, Edward 194
 Broverman, Inge K. 322
 Brown, Allan H. 243
 Brown, Barbara 63
 Brown, Bertram 572
 Brown, Jerry 218
 Bruce, David L. 619
 Buckle, James 408
 Brunot, Kenneth E. 597
 Brunson, Marvin H. 620
 Bryan, Kirk 533
 Bryant, Thomas 276
 Bryant, William R. 429
 Bucha, 371
 Buckle, Richard 482
 Buckley, Joseph P. 133
 Budget priorities 143
 Budgetary process 150
 Budner, Stanley 370
 Buff, Joseph J. 244
 Buhl, David 227, 268, 617
 Buildings, failures 229
 Bullard, Edward 229
 Burke, B. F. 436
 Burke, Bernard 512
 Burkland, C. V. 12
 Burns 619
 Bygdemann, Marc 200

C

- C-5A jet transport 9
 C particle, Repressor 40
 C-Quens 93, 431
 C-type RNA viruses 23, 24
 CA
 Forecasting 134, 135
 Radar screen 622
 CERN 408, 479, 615
 COSPAR, U.S.S.R. 520
 CPK, Muscle tissue 506
 CVI-70 vaccine 130
 Cade, Tom J. 178
 Cadmium, Traces 560
 Cailliet, Rene 246
 Cairns, Elton J. 271
 Calcification, Silicon 98
 Calcitonin 568, 618
 Calcium link, Brain 246
 Calcium release
 inhibitors 410
 Caldwell, D. F. 197
 California abortion law 219
 California coast 224
 Californium 252 245
 Calio, Anthony J. 33, 61
 Calvin, Melvin 64
 Cambridge Electron 239, 299
 Cameron, A. G. W. 429
 Campbell, Jack 583
 Campkin, T. V. 435
 Campus politicization 476
 Campus revolutionaries 397
 Canadair, Blue-green 581
 Canada, SCITEC 136
 Canada Water Bill 540
 Canadian Arctic, Oil 466, 467
 Ecology 486-488
 Pipeline test 442, 443
 Yellicott, William 520
 Canadian contribution, Batavia 380
 Canadian Indians 125

Canadian International Development Agency	332	Cholesterol		Corona,		Desulfurization	554	Edwards, Charles C.	93, 120, 152, 163, 568
Canadian space committee	175	Carbon monoxide	96	Infrared emission	617	Detergents	321	93, 120, 152, 163, 568	
Cancer		Peanut oil	40	Iron abundance	227	Arsonic	408	Eldynak, E. M.	482
Antibody test	199	Chow, Tsaihua J.	284, 538	Corrosion, Theory for	433	NTA substitution	319, 408, 456	Efremine behavior	197
C particle	40	Chromatography kits	71	Cortright, Edgar M.	470, 571	Phosphates	192	Egeberg, Roger O.	121, 480, 572, 596
Cat viruses	23	Churches, Social issues	370	Cosmic magnetism	557	Dewey, John F.	526, 596	Egg implantation,	63
Cervical	272, 317	Cigarettes, Tobacco-less	346	Cosmic rays	523	Diabetes, Asymptomatic	98	Atropine	319
Chemicals	344	Cirrhosis	619	Calcium, protons	457	Treatment	578	Ehrlich, Paul	573
Colon	346	Clark, G. W.	71	Element 108	457	Diabetes	376	Eibi-Eibefeldt,	552
Estrogen-progestin	93	Clark, Robert Beck	612	Gamma and X-rays	559	Autoimmunity	12	Irenaus	552
Immune response	301	Clarke, Frederick J.	60	Magnetic binding	71, 222, 617	Diamond gems	206, 481, 574	Elgen, Manfred	260
Personality	341	Clarke, Roy S. Jr.	60	Quarks	35	Diaphragm heart	406	Einstein's theory	574
Smoking beagles	169	Clark, W. B.	578	Tracks	202	Dias detergent	576	Elber, Frederick	344
Stomach	312	Classroom design	582	Cosmides, George J.	465	Dicke, Robert H.	475	Eitinger, Leo	604
Susceptibility	344	Clayton, Robert N.	33	Cosmologies, Infrared observations	465	Diet pills	297	Elastin molecules	415, 416
Thyroid	618	Clean Water Restoration Act	168, 502	Costa Rica, Telenomus	485	Distillery waste, Feed	320	Elected leaders	397
Viruses 23, 146, 200, 344		Clear air turbulence,	134	Cottol, Stephen	432	Dimethyl sulfoxide	216	Election behavior	507
Cancer cells	312, 509	On radar screen	622	Cottrell, Roger L.	457	Dingell, John D.	530	Electric shock	346
Theory	194, 312	Climate, Oceans	533	Cotzias, George C.	70, 118	Dislocations, Surgery	170	Electricity, Thermionic	490
Cancer deaths, Radiation	8	Climate changes	214	Coughlin, Robert W.	554	Dobbs, Linda	221	Electricity reserves	550
Cancer susceptibility	344	Irrigation	270	Council on Environ-mental Quality	168	Dodd, Thomas	366	Electromagnetic compatibility	345
Cancer-virus theory	611	Particulates	214	Cowsik, R.	71	Dole, Vincent	453	Electron microscopy	524
Cancers, Microinvasive	317	Urbanization	270	Cox, Arthur	268	Dominick, Peter H.	435	Electron source	524
Cancro, Robert	241	Climatological model	198	Credit card validator	424	Donaghy, R. M. Pearson	553	Electron spectroscopy	221
Cannabis, Literature	102, 104	Clika, Theodore	248	Changes in X-rays	457	Donn, William	475	Electron spin resonance	260
Cannon Ball 2	109	Cloos, Ernst	454	Crab pulsars	43, 626	Donnelly, William	18	Electronic particle counter	111
Carbon dioxide lasers	174	Clostridium botulinum	217	Crawford, Harry	574	Donohue, Jerry	36	Electrons, Vibration	42
Carbon fiber	160	Clothier, William	501	Crayfish, Transplanted	555	Donovan, Paul F.	71	Element 105	430
Carbon 14, 11-year cycle	434	Clothing factor, Blood	199	Creatine phosphokinase	506	Doohar, John	301	Element 108	457
Carbon monoxide	96	Cloud, Preston	64	Creativity and hypnosis	475	Dopamine	199	Eliot, Robert W.	372
Brain function	96	Cloud seeding	462	Crowe, Alfred J.	98	Manic-depressives	621	Eliot, David H.	324, 325, 350
Cholesterol	96	Colorado project	173	Crown of thorns	40	Phenoxylbenzamine	459	Elliott, Daniel W.	317
Interstellar	436	Easterlies	173	Cruikshank, Dale P.	20, 222	Doppler-radar, Mobile	621	Elliott, Martin A.	289
Lunar glass bubbles	64	Fire-prone areas	505	Crum, Stewart P.	550	Dorman, Gerald D.	459	Elliott, Robert D.	384
Oceans	96, 458	Individual cumulus	198	Cueto, Jorge	482	Doskotch, Raymond W.	374	Ellis, H. Reed	36
Pollution standards	172, 284, 396	Microcrystals	379	Culbertson, Philip E.	21	Doublet, Tokamak	525	Elm bark chemicals	459
Research	59	Pyramid Lake	599	Culler, Floyd L.	8	Downey, Maureen	112	Elms, Alan C.	197
Test	321	Summertime	384	Cumulus clouds,	Seeded	Drake, Frank	62	Elodea, Metallic ions	532
Tissue changes	96	Temperature	365	Clouds, Interstellar	315, 364, 525, 552	Draper, Charles	43	Embryology, Unifying theory	215
Tolerance	96	Coal gasification	529	Coal mines, Health and Safety Bill	37, 575	Dream content	589	Emilian, Cesare	39, 505
Carbon suboxide, Venus	222	Coal Mine Health and Safety Bill	37, 575	Coalsack bluff fossils	351	Men and women	536	Emotion, Foot pain	246
Carbon tetrachloride	319	Coastline erosion,	459	Coastline erosion, Louisiana	459	Dreizen, Samuel	594	Empyema, Heredity	556
Carbonium ions	554	Cobbie, W. J.	92, 318	Coburn, Ronald F.	59	Dropsone system	599	Endean, Robert	525
Carboxhemoglobin	59	Cockrell, Christopher	160	Coder, Arthur D.	241	Drug classification	598	Endres, Wilhelm	605
Carcinogenesis	509	Coffey, Henry F.	453	Coding drugs	453	Drug-control legislation	339, 630	Engdahl, Eric R.	505
Carcinogens, Environment	98	Cohen, Jeffrey M.	457	Coffey, Henry F.	453	Canada	268	Engel, A. E. J.	101
Carder, Brooks	247	Coker, A. E.	371	Cohen, Jeffrey M.	457	Panaba	598	Engine vibrations	508
Caribou	487, 488	Colbert, Edwin H.	324, 350	Coker, A. E.	371	Federal Register	181	Engineering jobs	480
Carlisle, Edith M.	98	Coleman, Sidney	126	Colbert, Edwin H.	324, 350	Legal suit	599	Engineers, Black	391
Carlos, James P.	543	Collagen, Biomaterial	10	Coleman, Sidney	126	Review	120	English, Joseph	572
Caron, Gordon A.	549	Collagenase, Disc	435	Collins, Robert L.	132	Substantial evidence	242	Enovid	431
Carp, Heart rate	246	Colliding beams	299	Collins, Robert L.	132	Drug labeling	453	Enrico Fermi Award	615
Caruthers, George C.	595	Collisions avoidance	481	Colloidal microcrystallines	378	Drug prescriptions	549	Environmental agencies	576
Carson, John L.	221	Colloidal microcrystallines	378	Color image, Infrared	345	Borneo	152	Environmental Action, D. C.	432
Carter, Herbert	576	Columbia Basin	214	Columbia Basin	214	Drugs	596	Environmental crisis, Japan	396
Cassano, Anthony J.	490	antibiotics	243, 268	Comet Bennett	290, 508	Antidiabetes	596	Environmental Defense Fund	389
Cast-brace, Bends knee	482	Comet Tago-Sato-Kosaka	241	Comet Tago-Sato-Kosaka	241	Antiviral	70	Environmental Financing Authority	147, 168
Cat viruses, Cancer	23	Commoner, Barry	44, 248	Commoner, Barry	44, 248	Dryfoos, Robert J. Jr.	125	Environmental Mutagen Society	314
Cataloguing stars	273	Communications	345	Communications	345	DuBridge, Lee A.	144, 145, 149, 150, 244, 405, 478, 572	Environmental priorities	38
Catalytic ionization	554	NATO satellite	128	Communications	345	Ducks	483	Environmental quality	147, 341, 573
Catalytic muffler, Lead	167	Composite welding	128	Communications	345	Dung beetle, Flies	532	Environmental studies	248
Cats, Counting cells	397	Computers	535	Communications	345	Duplessy, J. C.	579	Enzyme-deficiency diseases	389
Cavanaugh, James	596	Climatology	535	Communications	345	Dutch elm disease	459	Enzyme pre-soak	321
Cave art, Australia	468	Data verification	529	Communications	345	Du Toit, A. L.	229, 505	Enzymes, Detoxifiers	41
Cave carvings	242	Gigabit	345	Communications	345	Dynamite production	271	Enzymes, Effects of metals	459
Cave paintings	242	Portable radar	622	Communications	345	continuous	627	Epilepsy, Models	460
Cavities	70, 346, 372, 536	Video panel displays	345	Communications	345	Earth, J. A.	559	Epinephrine	507
Cell breakage, DMSO	530	Concentration camp syndrome	604	Communications	345	Earth, Moon's shadow	268	Aggression	507
Cell differentiation	215	Conditioning, Visceral	274	Communications	345	Earth Day, Support	432	Epstein, Samuel S.	98, 315
Cell division		Cone, Clarence	312, 510	Communications	345	Earth tides	513	Erickson, Ray C.	409
Abnormal	313	Connecticut River	532	Communications	345	Catalytic agent	579	Erlewine, John	312
Malnutrition	70	Connor, Walter	589	Communications	345	Coasts	171	Ernest, L. A.	319
Cell membranes	495, 509, 510	Conservation, International cooperation	280	Communications	345	Geyser	608	Ernst, W. G.	224
Cancer	510	Constantino, C. S.	508	Communications	345	Earthquakes	178	Eskimos, Adapting	125
Electrical voltage	313	Containerization, LASH	424	Communications	345	Alaska	154	Esman, Aaron H.	6
Plasma membranes	510	Continental energy policy	443, 466	Communications	345	Analyses	153	Esophageal disorders	199
Variations	509	Continents	324	Communications	345	Crustal plates	513	Estrogen, Low dose	430
Ceramic foam	12	Coalsack Bluff	324	Communications	345	Earth's core, Bumps	224, 458	Estrogen-progestin drugs	93
Cerenkov effect	605	Computer fit	229, 370	Communications	345	Earth's inner core	505	Ethinyl estradiol, Potency	431
Cervical cancer	523	Growth and evolution	192	Communications	345	Eastlund, Bernard J.	249	Etzet, James E.	223, 404, 614
Radium	272	Paleomagnetic study	173	Communications	345	Eclipse, March 7 227, 268	268	Euratom, Inspection	184
Surgery	317	Contraceptive pills	See Birth control pills	Communications	345	Ecological effects	364	Europe, Nature Conservation Year	280
Cesium	436	See Birth control pills	See Birth control pills	Communications	345	Canal	528	Eutrophication	284
Chagas' disease	471, 485	Cooper, Charles	45	Communications	345	Oil pipeline	432, 486, 528	Blue-green algae	284
Champion	109	Cooper, Edward E.	177	Communications	345	Sublethal	248	Crayfish thrive	555
Kenneth S. W.	345	Cooper, Theodore	500	Communications	345	Ecological laboratory,	411	Lake Tahoe	321
Chang, K. K. N.	389	Cope, Edward Drinker	324	Communications	345	Volcano	488	Reversal	483
Chang, Thomas M. S.	34	Copper salts	484	Communications	345	Canadian Arctic	44	Evans, David J. I.	108
Chapman, Dean	523	Coral reefs	525	Communications	345	Multidisciplinary	555	Evans, Robley D.	311
Chapman, Philip	267	Coral regrowth	525	Communications	345	Santa Barbara	410	Everglades, Jet-port	93
Chapman, William M.	342	Crown of thorns	525	Communications	345	Eczema, Fatty acid	548	Ewing, John I.	548
Charmey, J. B.	444	Corbell, Reine J.	74	Communications	345	Edgington, David N.	284	Ewing, Maurice M.	154
Chaudhuri, B. D. Nag	598	Corcoran, Eugene F.	284	Communications	345	Education and Welfare, Budget	146	Excitons, Sandwiches	602
Chayot, Neil A.	555	Corenzwit, Ernest	71, 313	Communications	345	Basic	265	Exhaust components	223
Cheadle, Vernon I.	589	Cork, Bruce	299	Communications	345			Exhaust gases,	
Cheating, On exams	589			Communications	345			Catalytic muffler	167
Chemicals Carcinogen	344			Communications	345			Explorer I, Credits	343
Chemistry, Graduates	477			Communications	345				
Chemia, Paul	168			Communications	345				
Chesher, Richard H.	525			Communications	345				
Chicken cancer vaccine	200			Communications	345				
Chien, Ching-Piao	507			Communications	345				
Children,				Communications	345				
Problem-solving	322			Communications	345				
China's first satellite	427			Communications	345				
Chipman, John	74			Communications	345				
Chloramphenicol	26			Communications	345				
Chlorhexidine gluconate	176			Communications	345				
Chlorine atoms	319			Communications	345				

Extremists, Normal . . . 197

F

FASEB meeting . . . 429
 FDA, Methotrexate . . . 549
 FDA clears L-dopa . . . 568
 FDA scientists . . . 120, 183
 FDA's power to act . . . 242
 Factories, Participant citizenship . . . 125
 Fairbank, William . . . 206
 Fairbridge, Rhodes W. . . 434
 Faisner, Helmut . . . 617
 Falck, Edward . . . 73
 Fallout, Oceans . . . 270
 Family Assistance . . . 37, 146
 Health Insurance . . . 599
 Fang, Victor S. . . 410
 Fannin, Paul J. . . 170
 Fazio, G. G. . . 523
 Federal authority . . .
 State and local . . . 121
 Federal health . . .
 spending . . . 145, 480
 Federal Radiation . . .
 Council . . . 311
 Feder supplement . . . 260
 Feher, George . . . 112
 Feinmesser, M. . . 372
 Feller, Ralph P. . . 273
 Fellgett, P. B. . . 322
 Female stereotypes . . .
 Femur stresses, In epoxy . . . 424
 Fennell, James . . . 301
 Fermi, Enrico . . . 92
 Ferromagnetic fallout . . . 173
 Fertility drugs, Modified . . . 98
 Fertilizer, Nitrates . . . 483
 Fetus . . .
 Antigens . . . 482
 Bleeding disorder . . . 199
 Breathing . . . 530
 Immune system . . . 63
 Sensitive biological system . . . 133
 Feuer, Lewis S. . . 412
 Fields, M. David . . . 515
 Filter funnel . . . 515
 Finch, Robert H. 7, 36, 57, 91, 120, 180, 241, 311, 572
 Fink, Geraldine . . . 367
 Fink, Max . . . 339
 Fink, Uwe . . . 20, 222
 Firebee II . . . 175
 Fire-fighting foam . . . 271
 Fireproof coating . . . 174
 Firester, Arthur H. . . 345
 Fischer, William A. . . 508
 Fischinger, Peter . . . 23
 Fish . . .
 Bends . . . 620
 Depth record . . . 483
 Mercury . . . 388
 Metals . . . 284, 459
 Weed control . . . 72
 Winterkill . . . 409
 Fish protein concentrate (FPC) . . . 90
 Fite, L. E. . . 245
 Fitzsimmons, W. A. . . 151
 Flashes, In spacecraft . . . 523
 Fleischer, Robert L. 35, 436
 Fletcher, Gilbert H. . . 272
 Flinn, Edward A. . . 505
 Flood alert system . . . 60
 Fluid dynamics, Blood . . . 415
 Fluorol coating . . . 174
 Fluorides, Systemic effect . . . 537
 Fluoroxene, Combination . . . 203
 Fly-ash glass, Submersibles . . . 529
 Flyer, Vagn . . . 290
 Foltz, R. L. . . 530
 Food additives, GRAS . . . 182
 Food and Drug . . .
 Administration . . . 180
 New procedures . . . 120
 Power to act . . . 242
 Scientists . . . 120, 183
 Food irradiation . . . 217
 Food safety laws . . . 8
 Foot pain, Emotional . . . 246
 Ford, Henry . . . 167
 Ford, V. L. . . 477
 Forest fires, Cloud seeding . . . 505
 Forest management, Indians . . . 41
 Foritano, Lynn . . . 510
 Ft. Detrick, Md. . . 62
 Fosberg, F. Raymond . . . 411
 Fossil ice, Hawaii . . . 579
 Fossil reptiles . . .
 Antarctic . . . 325, 550
 Foster, John S., Jr. 501, 548
 Foster, S. C. . . 272
 Fowler, Eugene E. . . 217
 Fowler, Max . . . 624
 Fowler, Peter . . . 477
 Fowler, W. Beall . . . 318
 Fox, Charles L., Jr. . . 619
 Fox, E. M. C. . . 564
 Fox, William T. . . 223
 Fra Mauro highlands . . . 353

Fraenkel-Conrat, Heinz L. . . 568
 France, Research and development . . . 492
 Francheteau, Jean . . . 457
 Frear, D. Stuart . . . 72
 Frederick, Ralph H. . . 320
 Freedman, Daniel X. . . 339
 Freedman, Sam . . . 346
 Freeze-drying nucleus . . . 344
 Friedman, Herbert 43, 124, 145
 Friedman, Lewis . . . 17
 Frith, Milton . . . 564
 Frost-control freezer . . . 111
 Fryxell, Roald . . . 91, 362
 Fuel cell, Glucose . . . 128
 Fuel system, Dual . . . 12, 73
 Fuel system, Safer . . . 128
 Fuller, George . . . 530
 Fuller, John L. . . 132
 Fuller, Marielle . . . 370
 Fulton, George P. . . 45
 Fumich, George, Jr. . . 172
 Fusion, Controlled 148, 373
 Fusion torch, Garbage . . . 249

G

GARP, Atlantic . . . 342
 Gaetano, Frank . . . 110
 Gagliano, Sherwood M. . . 459
 Gail, Harry R. . . 244
 Galaxies . . .
 Centric of . . . 206, 464
 Continuous creation . . . 465
 Cosmic rays . . . 559
 Infrared . . . 10, 464
 Irtrons . . . 464
 Luminosity . . .
 Age-related . . . 465
 Magnetic field . . . 557
 Quasar emission . . . 553
 Stratospheric view . . . 552
 Galaxy measuring machine . . . 273
 Gamble, F. R. . . 602
 Gamma point source . . . 151
 Gamma-ray analysis, Underwater . . . 245
 Gamma rays, Cosmic . . . 71
 Game, Experimental weapons . . . 397
 Gangrene, DTPA . . . 11
 Gangrene, High-pressure oxygen . . . 127
 Garcia Barrios, Humberto . . . 485
 Garlin, Herman . . . 345
 Garrett, William D. . . 248
 Garwin, Richard L. . . 501
 Gary, Bruce . . . 42
 Gas chromatograph injector . . . 331
 Gas gangrene . . . 127
 Gas turbines . . . 605
 Gasbuggy . . . 89
 Gasdynamic laser . . . 529
 Gasification of coal . . . 509
 Gasoline, Lead tax . . . 509
 Gasoline, Unleaded 167, 404
 Gasoline storage test . . . 174
 Gast, Paul . . . 6, 56, 61
 Gatos, H. C. . . 289
 Gatt, F. C. . . 619
 Geballe, T. H. . . 602
 Geber, William . . . 133
 Gegendes, photographs . . . 354
 Geiger, Jack . . . 392
 Gell-Mann, Murray 119, 126
 Gelwan, Eliot M. . . 244
 Gene, Artificial . . . 547
 Generics, Identification . . . 453
 Genetic code, Garbling . . . 568
 Genetic counseling . . . 63
 Genetic indices . . . 507
 Gentile, Jean M. . . 199
 Gentry, R. Cecil 270, 573
 Geodesic measurements . . . 512
 Geoghegan, William A. . . 408
 Geological changes . . . 11
 Geological photomaps . . . 508
 Geomagnetic drift . . . 371
 George, Robert W. . . 300
 Geothermal energy 288, 605
 Germ identification . . . 460
 Germany's first satellite . . . 208
 Gersl, Edward T. . . 529
 Gesell, Gerhard A. 75, 77
 Geysers . . .
 Ghorso, Albert . . . 430
 Ghost balloons . . . 393
 Gibbons, Ronald J. . . 619
 Gigabit computer . . . 345
 Gintop, hecut . . . 183
 Giller, Edward B. . . 194
 Gilman, Jeffrey F. 214, 522
 Gingrich, James E. . . 491
 Girdler, R. W. . . 39
 Glass, H. Bentley . . . 6, 315
 Glass beads, In plastic . . . 271
 Glass bubbles, Fly ash . . . 529
 Glass . . .
 Tekittes . . . 577
 Global atmospheric research . . . 342, 534
 Glomar Challenger . . .

Leg 10 . . . 429
 Leg 11 . . . 547
 Re-entry system . . . 597
 Glossopteris seeds . . . 326
 Glucose-6-phosphatase . . . 510
 Glycine, FDA . . . 530
 Glynn, Peter . . . 364
 Goddard, James L. . . 181
 Gofman, John W. 8, 311
 Gold, Phil . . . 346
 Gold, Thomas . . . 34, 43
 Gold test, Immunologic . . . 534
 Golden, Edward . . . 264
 Goldberg, Leon . . . 199
 Goldsmith, John R. . . 59
 Goldsmith, Ralph S. . . 568
 Goldstein, R. M. . . 436
 Goldwasser, Edwin L. . . 391
 Goldwater, Leonard J. . . 388
 Computer fit . . . 320, 505
 Paleontology . . . 350
 Reconstructed . . . 229
 Goodrich, William 183, 266
 Goodwin, Brian . . . 215
 Gordon, C. C. . . 341
 Gordon, Glen E. 223, 538, 561
 Gordon, Richard . . . 369
 Gordon, Robert B. . . 173
 Gorton, John G. . . 340
 Gott, J. Richard III . . . 553
 Gottlieb, David . . . 476
 Gough, William C. . . 249
 Gough, Harold . . . 22
 Gould, Mauri . . . 582
 Grace, Norman S. . . 136
 Graduate students . . . 145
 Grain quality . . . 618
 Grand Coulee . . . 329
 Grant, James . . . 183
 Grant, Lewis O. 365, 384
 Grant, T. J. . . 92, 318
 Grant, Warren H. . . 18
 Graphite fan blades . . . 597
 Graphite fibers . . .
 108, 245, 605
 Grass ranges, Restored . . . 41
 Grave, M. C. . . 174
 Gray, Mike . . . 241, 368
 Gravitational effects, Particles . . . 126
 Gravitational fields . . .
 Magnetic field . . . 224
 correlation . . . 224
 Particle theory . . . 224
 Gravitational waves . . . 206
 Experiment . . . 42
 Star clusters . . . 191
 Gravity . . .
 Sea-floor spreading . . . 126
 Subatomic domain . . . 522
 Graybill, Ashton . . . 584
 Great Barrier Reef . . . 454
 Great Salt Lake . . . 410
 Greaves, Malcolm W. . . 547
 Green, David E. 460, 547
 Green, Jack Peter . . . 410
 Greene, J. J. . . 408, 540
 Greenfield, Harvey H. . . 416
 Greenland ice cap . . . 529
 Greenstein, George . . . 42
 Greenwell, B. E. . . 390
 Grenell, Robert . . . 246
 Griffiths, Martha W. . . 170
 Grim, Paul . . . 155
 Grimes, David . . . 110
 Grisold, John W. . . 592
 Grisold, S. Smith . . . 97
 Groseclose, B. Clark . . . 314
 Groundwater . . .
 Liquid wastes . . . 532
 Recharge basins . . . 156
 Grupp, Stanley E. . . 37
 Guaranteed annual income . . . 37
 Guillet, James E. 433, 484
 Guiragossian, Zaven . . . 438
 Gulf Coast tar balls . . . 551
 Gulf of Mexico 429, 608
 Gyepes, Michael T. . . 601
 Guyot in a desert . . . 579
 Gyrotory shaker . . . 419

H

HEAO . . . 369
 HEW . . .
 Appointments . . . 37
 Appropriations . . . 121
 Budget cuts . . . 196
 Directed research . . . 596
 Drug abuse control . . . 598
 HL-10, Powered landing . . . 520
 HMD enzyme-inhibitor . . . 410
 HURRAN . . . 573
 Hagg, Don . . . 523
 Hagins, William A. . . 260
 Hannum 260 . . . 430
 Hail suppression . . . 384
 Haise, Fred, Jr. . . 353, 355, 387, 407
 Hait, Merritt R. . . 379
 Hall, Bob . . . 486
 Hall, Florence . . . 247

Hallam, Anthony . . . 229, 320, 505
 Hallucinogens . . . 410
 Halpern, Seymour . . . 58
 Hamburger, Richard . . . 89
 Hammond, E. Cuyler . . . 169
 Hammond, Eugene S. . . 572
 Hamycin, Antifungal . . . 372
 Handler, Philip . . .
 290, 432, 475, 476, 501, 546, 576
 Hanks, Thrift G. . . 59
 Hansen, Julia Butler . . . 502
 Hardin, Robert . . . 596
 Harris, James O. . . 105
 Harris, Louis S. . . 391
 Harris, Milton . . . 536
 Harris, Robert . . . 246
 Harris, Willard S. . . 127
 Harris, William H. . . 458
 Harrison, C. G. A. 270, 389
 Hart, George L., Jr. . . 429
 Hart, Robert . . . 506
 Hartmann, Ernest . . . 500
 Hastings, Frank . . . 573
 Hauser, Philip M. . . 192
 Havens, William W. . .
 Hawaii . . .
 Nuclear excavation . . . 97
 Hawke, Ronald S. . . 624
 Hayes, Denis . . . 341
 Hayes, Stanley P. . . 617
 Hayes, Thomas . . . 549
 Hays, James D. . . 191
 Head injuries, Intracranial pressures . . . 435
 Head Start, Evaluation . . . 247
 Health budget . . . 145, 480
 Health care . . .
 Ambulatory units . . . 267
 Costs . . . 430
 Policies . . . 7
 Poor . . . 47
 Senate report . . . 480
 U.S. system . . . 183
 Health center, Neighborhood . . . 276
 Health insurance, Poor . . . 599
 Health services, Medicaid . . . 7
 Hearing disorders . . . 112
 Hearnden, Edward . . . 388
 Heart beat rate . . . 275
 Heart failure . . . 485
 Heart-rate Carp . . . 245
 Heat flow experiment . . . 328
 Heavy ions, PPA . . . 328
 Hechler, Ken . . . 575
 Heezen, Bruce C. . . 320
 Heffner, Hubert . . . 478
 Heggstad, Howard E. . . 555
 Heidig, Edwin J. . . 409
 Heiles, Carl . . . 553
 Helicity, Antineutrino . . . 318
 Helicopter, London/Paris . . . 481
 Helicopter, S-65-200 . . . 520
 Helicopter shuttle . . . 9
 Helium, Lunar material . . . 69
 Helium molecules . . . 151
 Helium turbines . . . 605
 Hellyar, Merrick W. . . 520
 Hemstock, R. A. 467, 486
 Henderson, Thomas J. . . 384
 Hepatitis tests . . . 200, 584
 Herbel, C. H. . . 41
 Herbicides . . .
 Combinations . . . 72
 Phenylurea . . . 72
 2,4-D polymerized . . . 578
 2,4,5-T . . . 456
 Hereditary copulience . . . 176
 Heroin addicts . . .
 Methadone . . . 366, 599
 Heron Island . . . 321
 Herpes virus, Vaccine . . . 200
 Herschel Island . . . 443
 Hertz, Roy . . . 93, 182
 Heymann, Dieter . . . 35
 Heyerdahl, Thor . . . 480
 Hickel, Walter J. 122, 177, 263, 290, 314, 329, 389, 432, 456, 539, 576, 599
 Hide, R. . . 224
 High energy, Interactions . . . 126
 High-Energy Astronomy Observatory . . . 369
 High-energy physics . . .
 192, 239, 298
 Hildebrand, Bernard . . . 219
 Hill, C. Stratton . . . 618
 Hill, Richard M. 443, 486
 Hill, Robin E. T. . . 224
 Hill-Burton vetoed . . . 615
 Hilleman, Maurice R. . . 323
 Hills, Kent . . . 269
 Himler, George P. . . 48
 Hippocampal damage . . . 197
 Hissley, E. H. . . 620
 Hirsch, Robert . . . 373
 Hirschhorn, Kurt . . . 63
 Histamines . . . 619
 Hobbs, Peter V. . . 224
 Hodgkinson, Harold . . . 531
 Hodosh, Milton . . . 10

Hoebel, Bartley G. . . 197
 Holfield, Chet 90, 239, 474
 Hollaender, Alexander . . . 315
 Holand, James M. . . 58
 Hollander, Edwin P. . . 397
 Hollings, Ernest F. . . 267
 Hollingsworth, Robert M. . . 41
 Hollister, Charles D. . . 548
 Holmes, Mark L. . . 434
 Holper, Jacob C. . . 584
 Homans, George . . . 589
 Homindus, Pongids . . . 193
 Homosexuality . . .
 Brain surgery . . . 50
 Inherent . . . 197
 Honda, Minoru . . . 196
 Hora, Hans . . . 42
 Hornig, Donald F. 549, 572
 Horsted, Sven Aage . . . 78
 Hospital automating . . . 268
 Housewives, Time spent on chores . . . 247
 Housewright, Riley D. . . 62
 Howard, Ernest . . . 48
 Howell, Clark . . . 242
 Hoyne, Lucille St. . . 255
 Huff, F. A. . . 427
 Hsueh-shen, Chien . . . 428
 Hu, Esther M. . . 244
 Huber, G. L. . . 556
 Huebner, George J. . . 167
 Huebner, Robert J. . . 40
 Huff, F. A. . . 390
 Hughes, George . . . 248
 Hughes, Harold E. 339, 551
 Human gene synthesis . . . 547
 Human mutagenicity . . . 315
 Human sarcomas, Virus . . . 344
 Human waste, Pasteurized . . . 223
 Humphrey, Lloyd E. . . 368
 Hunt, L. A. C. O. . . 443, 467, 486
 Hurricane Camille . . . 573
 Hurricane Debbie . . . 270
 Hurricane warning system . . . 573
 Hutchinson, David . . . 328
 Hydrocarbon standards . . . 172
 Hydrocarbons, Analysis . . . 554
 Not biodegradable . . . 263
 Hydrogen . . .
 Metallic . . . 623, 624
 Molecular . . . 595
 Hydrogen atom model . . . 126
 Hydrogen bonds . . . 433
 Hydrogen chloride gas . . . 617
 Hydrogen cyanide . . . 319
 Hydrogen separation . . . 319
 Hydrogen sulfide, Baltic's . . . 356
 Hydroturbines, Grand Coulee . . . 329
 Hyperactive, Short sleepers . . . 506
 Hyperactive children . . . 507
 Hypertension . . . 133, 460
 Hypothalamus, operation . . . 372
 Hypothyroidism . . .

I

IOC (Initial Operational Capability) . . . 427
 IQ test, Profile . . . 322
 IRRPOS . . . 145, 240
 Ice age, In computer . . . 198
 Ice age ice . . . 579
 Ice age symbolism . . . 242
 Ice alert, Highway . . . 128
 Ice cap, Sea levels . . . 39
 Ilmenite, Lunar . . . 100
 Illis, Hugh . . . 573
 Immune response, Cancer . . . 344
 Immune tolerance, Specific . . . 323
 Implosion experiment . . . 625
 Incoherent-scatter radar . . . 123
 Income maintenance . . . 216
 India . . .
 Nuclear powerplant . . . 221
 Nuclear technology . . . 444
 Indian Ocean, Arc formation . . . 434
 Infectious organisms, Detection . . . 460
 Inflation control . . . 150
 Infrared . . .
 Atmospheric soundings . . . 198
 Galaxies . . . 10, 71, 464
 Imaging system . . . 345
 Light amplification . . . 529
 Meter . . . 111
 Ingersoll, John . . . 339
 Inglis, Grant . . . 468
 Inkeles, Alex . . . 125
 Inman, W. H. W. . . 430
 Innes, W. B. . . 230
 Insect control, Aphid lion . . . 319
 Instrumental neutron activation analysis . . . 538

Insulin	1	Kempner, Henry	130	Lederberg, Joshua	339	MacDonald, Gordon J. F.	6	Task force	7
Gene regulation	484	Kennard, Olga	200	Lee, Chester M.	243	Gordon J. F.	6	Medical devices,	500
Intelligence test	322	Kennrick, Margaret M.	37	Lee, John C.	98	Mackenzie Delta,	442, 467, 486	Control	170
Intelstat III-A,	225	Kent State tragedy	451	Lee, Won-Yong	327	Oil	442, 467, 486	Medical insurance,	146
Booster trouble,	204	Kenya, Hail	384	Lehmann, Heinz	630	MacNabb, Gordon	467	Tax incentive	170
Interceptor, YF-12	204	Ketone, Olefins	245	Lenthom, Ralph A.	574	McTaggart-Cowan,	551	Medical students	146
Interdepartmental	175	Keyserling, Leon H.	150	Lerner, Leonard J.	554	Patrick	551	Medicare	145, 170, 241
Committee on Space	175	Khan, Mohammad	458	Levine, William	152	M			
Interdisciplinary	144, 145, 240	Khanna, Har Gobind	547	Leukemia viruses	368	Machta, Lester	270	Medication, Examined	370
Interdisciplinary study,	44	Kidney dialyzer	349	Leukocytes, Alcohol	152	Macrobrachys,	556	Mediterranean,	434
NSF	44	Kidney function, Noise	132	Levin, Louis	368	Smokers	556	reconstruction	434
Interferometry	318	Kidney transplantation	296	Levine, Robert A.	244	Magellanic Cloud,	477	Mediterranean floor,	371
Long distance	436, 512	Kidney treatment	300	Ley, Herbert L. Jr. 120,	181	Polarization	477	Linear features	197
Very long	484	Kilauea, Life systems	411	Lhermitte, Roger	621	Magma,	579	Mednick, Sarnoff A.	130
baseline	436, 512	Kimmey, Jimmye	75	Libby, Willard F.	625	Solid-earth tides	579	Meiklejohn, Gordon	602
Interferon	484	Kincaid-Smith, Priscilla	303	Lichy, Charles T.	284	Magnesium briquettes	12	Meltzer, Herbert	506
International Develop-	332	Kirsch, Wolfgang	344	Liggins, G. C.	530	Magnet, Niobium-alumi-	313	Membranes	509, 595
ment Research	332	Kiser, J. S.	26	Light-bending	227	num-germanium	479	Cell structure	349
Center of Canada	502	Kissling, Robert E.	288	Light-emitting diode	345	Magnet ring, 1.8 Km	479	Celulose	389
International Science	614	Klein, Carl L.	8	Lighting	320	Magnetic fields	42	Nylon	389
Fair	614	Klein, Melvin P.	618	Intraculod	151	Magnetizer	42	Permeability	554
Invention, prior	269	Kline, Morris M.	507	Magnetic monopole	151	Lunar	269	increased	554
ion clouds, Low-energy	169	Klohn, Nathan	507	Lincoln, George A.	550	Lunar	269	Semipermeable	260
ion engine, SERT 2	174,	Klingsberg, Cyrus	288	Lipetz, Leo	523	Galactic	557	Mental patients	507
ion implantation	343	Klinkman, Horst	347	Lipid removal, DMSO	530	Magellanic Clouds	477	Beer therapy	507
ion rockets, SERT 2	554	Knapp, David B.	152	Lippincott, Ellis R. 28,	187	Neutron star	457	Voting behavior	507
ionization detector	123	Knight, Allen	248	Liquid waste injection	314	Pioneers 6 and 8	19	Mercury atmosphere,	69
ionospheric radar	173	Knives, James R.	617	Lithium carbonate	63	Pulsars	222	Moon	69
Iron meteorite	319	Knowles, John H.	518	Deforming	390	Superconductor	313	Mercury compounds,	560
Iron sulfate, Phosphate	464	Knowles, S. H. 42, 436,	48	Demarcation	454	Magnetic implosion	623	Variously toxic	560
removal	369	Kolff, Willem J.	347	Lithium chloride	502	Hydrogen	623	Mercury levels,	388, 456
Irradiated strawberries	191	Koranda, John J.	97	Lithium compound cell	171	Magnetic moment	512	Fish	388, 456
Irons, Galaxies	232	Koshland, Daniel E., Jr.	619	Lithium fluoride	92	Magnetic monopoles	151	Mercury (Planet)	436
Irvine, James E.	97	Kovach, Robert L.	498	crystals	32	Lightning	69	Rough spots	418
Isacks, Bryan	348, 376	Kow Swamp	254, 468	Lithosphere	224	Lunar samples	436	Transit	532
Iwai, Yosuke	34	Krohn, V. E.	92	Lunar	458	Not found	126	Merriman, Daniel	532
Izrael, U. A.	34	Krugman, Saul J.	130	Plate tectonics	603	Subatomic particles	39	Mescaline, Electronic	410
J				Thickness	222	Magnetic variation,	477	structure	194
Jackim, Eugene	459	Kuiper, Gerard P. 20,	222	Little, C. Gordon	589	Volcanic activity	71	Messelson,	6, 327, 617
Jackson,	301	Kunitake, George M.	75	Liver transplant	202	Polarization	172	Matthew S.	301
Newton L. P., Jr.	589	Kunzig, Robert L.	170	Survival technique	132	Superconductivity	172	Mesons	301
Jacobson, Leonard	506	Kuo, John T.	120	Lockett, Mary F.	168	Magnetohydrodynamics	172	Messiah, F. S.	623
Jacobs, Eleanor A.	586	Kursunoglu, Behram	120	Loe, Harold	620	Magnetometer,	61, 269	Metallic hydrogen	199
Jaffe, Leonard D.	586	Kwan-Gett,	348, 376	Logan, John	168	Lunar	61, 269	Metastases, Predicting	199
Jahn, Walter	459, 586	Kwan-Gett,	348, 376	Long, Clifford	620	Magnuson,	576	Metastatic nodes,	272
Japan	18	Kwan-Gett,	348, 376	Long, Clifford	620	Wagen, G. 58, 91,	576	Radiotherapy	572
Diodes	221	Kwan-Gett,	348, 376	Longevity quotient	589	Mahon, Joseph	225	Meteorites	278
Environment	396	Kwan-Gett,	348, 376	Loomis, Charles	451	Malek, Frederic V. 572,	596	Aluminum	578
Non-proliferation	184, 531	Kwan-Gett,	348, 376	Lorenz, Edward N.	198	Malnutrition, Fetal ...	70	Caught	60
treaty	588	Kwan-Gett,	348, 376	Louisiana coast, Oil.	263	Malta, Ocean uses	613	Origin of iron	173
Petroleum	588	Kwan-Gett,	348, 376	Louisiana coastlines	459	Manabe, Syukuro	533	Meteoroid impacts,	269
Space program	232, 516	Kwan-Gett,	348, 376	Louttit, R. I.	222	Manhattan	371, 420	Methadone-maintenance	599
Stomach cancer	531	Kwan-Gett,	348, 376	Lovachis, Jeanne L.	222	icebreaker	371, 420	programs	367, 599
Youth, Nuclear arms	531	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Manheim, Frank T.	173	Methane, Driving with	73
Jarrett, Oswald	100	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Manic depressives,	549	Toxic effects	549
Jastrow, Robert	232	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Drug	301, 390	Methyl atropine,	199
Java man, Kow	255, 468	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield,	301, 390	Hypothalamus	549
Swamp man	255, 468	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield,	301, 390	Metric conversion,	549
Javits, Jacob K.	436	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Australia	340
Jefferts, Keith	436	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Amendment	149, 501	Mettler, Ruben F.	478
Jelley, J. V.	523	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Mettler, Cloud seeding	384
Jensen, John	431, 135	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Meyer, Paul R., Jr.	319
Jensen, Clayton	135	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Meyer, Roger E.	319
Jensen, James	325, 326, 350	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Meyers, Carl Y.	319
Jet fighter, YF-12A	204	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Meyers, Marvin H.	127
Jet flame, Electrified	221	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Mice, Australia	290
Jet smoke-reducing	175	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Mice, Effects of sound	133
Jets, Low-noise	430	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Mic, Curtis	222
Joe, Tam	199	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Microbehavior	506
Jogging, Middle-aged	199	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Influence	506
Johanningsmeier,	44	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Microbial growth, In	412
Arthur	44	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	lava	412
Johnson, Alan A.	529	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Microcapsules, Cells	389
Johnston, M. J. S.	554	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Microcrystalline	378
Johnston, William H.	554	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	polymers	378
Jones Act	443	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Microearthquakes,	320
Jones, Reese T.	158	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Monitoring	320
Jones, Rhy	468	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Microoliths, Australian	255
Jones, Thomas O.	218	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Microprobe-microscope	514
Jordan, Raymond E.	317	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Microstandards,	514
Jos virus	288	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Calibrating beads	484
Junjo jet	9	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Middle America,	153
Jupiter,	577	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Seismicity	153
Infrared radiation	577	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Middle ear effusion	317
Inner system	42	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Mikulka, P. J.	59
Magnetic field	42	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Military appropriations,	148
Metallic hydrogen	624	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	AEC	148
Jurgens, R. F.	436	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Military service,	301
Juvenile delinquency,	589	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Black veterans	301
Soviet	589	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Milky Way,	301
K				Lovell, James	22, 353,	Mansfield	301, 390	Magnetic field	557
Kaelin, G. R.	345	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	New stars	595
Kahan, Archie M. 365,	461	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Miller, J. Donald	129, 338
Kalinsky, Joseph L.	245	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Miller, George P.	289
Kalkstein, Marvin	368	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Miller, Max	526, 596
Kaminski, Heinz	428	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Miller, Charles E. McC.	62
Kane, Hiroo	458	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Milner, Robert	367
Kang, Sungzong	420	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Mills, A. A.	9
Kangaroo management	564	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Milrow	367
Kardos, Louis T.	321	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Minerals	454
Karim, S. M. M.	200	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Great Salt Lake	454
Karsh, Joseph E.	37	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Technology gap	288
Kato, Sada-yuki	318	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Minipill, Cancer	93
Katz, Samuel L.	130	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Minshall, William E.	102
Kaufman, William W.	128	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Missile electronics,	525
Kay, James Harold	597	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Bel Labs	548
Keen, J. M. S.	597	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Missile test, Tactical	175
Kellner, Aaron	585	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Mistletoe, Oregon	41
Kelly, Thomas	572	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Mitchell, Edgar D. 369,	478
L				Lovell, James	22, 353,	Mansfield	301, 390	Mitchell, Frederick J.	580
Leads	288	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Mitchell, John N.	339
Latham, Gary 61, 269,	407	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	Mitochondria, Energy	460
Lauffer, John	175	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390	systems	460
Lava flow,	399, 411	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390		
Ecosystems	399, 411	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390		
Lawrence Hall of	581, 583	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390		
Science	581, 583	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390		
Lawrencium 256	430	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390		
Lawther, Patrick J.	59	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390		
L-dopa	59	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390		
Continued evaluation	568	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390		
HMD agent	410	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390		
Hypertension	199	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390		
Optimum daily dose	97	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390		
Relaxant	127	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390		
Tariff suspended	528	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390		
Leads	288	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390		
Additives tax	504, 615	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390		
Dispersion-	108	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390		
strengthened	108	Kwan-Gett,	348, 376	Lovell, James	22, 353,	Mansfield	301, 390		
Levels increasing	284, 560	Kwan-Gett,	348, 376	Lovell, James	22,				

Mitruka, Brif M. 460	Nashold, Blaine S. Jr. 317	Navigable 487	O'Keefe, John A. 34, 429, 577	Personality, Physical ailments 301
Modell, Walter 180	National Academy of Sciences, Coastal research 599	Nova 196	Okum, Arthur 150, 561	Pesticides
Molasse sediment 39	Drug efficacy 120, 181, 599	Nowlis, Helen 158	Olefins 245	Banned 620
Molecular astronomy 436, 595, 617	Environmental program 123	Nowosad, Bob 487	Keatons in one step 264	Concentrated slicks 284
Molecular probe 433	Ground-based solar research 124	Nuclear detection 7	Marine life 485	Detection 21
Molnar, Peter 7, 154, 191, 458	Reorganization 453	Velas 369	Olivier, Louis 617	Dias decontaminant 12
Monkeys, Retrieval capsules 252	National Accelerator Laboratory 239, 391, 438	Nuclear engineering 363	Olsen, Kenneth H. 270	Dieldrin 484
Monopoles	National Air Sampling Network (NASN) 538	Canal not feasible 97	Ooyama, Katsuyuki 270	Enzymes detoxify 41, 72
Sec. Magnetic monopoles	National health insurance 170, 430	Excavation cratering 97	Operant conditioning 274	Exports 613
Moon	National Institute of Education 265	Harbor, Hawaii 97	Opp, Albert 508	Peterson, Melvin N. A. 597
Age determination 428	National Institutes of Health 37, 57-59, 572	Oil stimulation 90	Oral contraceptives 181, 266, 599	Petrone, Rocco 431
CO gas 69	Research funds 146	Seismic shock 97	Orbiting Primate Experiment 251	Petro, Gregory A. 71
Geochemical history 64	National laboratories, Cut-backs 192	Tritium 97	Organ preservation 295	Ph.D.s, Physicists 117, 612
Inimical to life 64	National Oceanic and Atmospheric Agency 267	Water key factor 97	Organ typing 295	Phenacetin, Kidney 300
Low surface conductivity 64	National Oceanographic Laboratory System 502	Chesapeake Bay 240	Organic chemistry, NIH research 476	Phenoxymethamine 199
Major questions remaining 99	National Research Development Corporation 160	Fast breeder 148	Oro, John 526, 64	Phillips, O. M. 240
No bowshock 269	National Science Foundation 576	Helium turbines 605	Orthner, Hans 50	Philpotts, John A. 34
Photographs compared 580	authorizations 144	Radiation limits 341, 500	Ortho-Novum 431	Phobos 508
Rare elements 245	IRRPOS 145, 240	Thermal pollution 219	Orthovoltage therapy 272	Phonons in tantalum 553
Seismic activity 269	New posts 315	Thermionic 491	Ortiz, Edwin 596	Phosphates, Detergent
Selenology 101	One per cent of GNP 478	Nuclear rockets, Reusable 440	Osaka Bay, Landfill 396	Detergents rated 456
Sunlit areas 69	Natural gas	Nuclear technology, India 444	Osteoporosis 127	Eutrophication 408
Moon craters	Britain 256	Nuclear weapons, Japan 531	Metabolic error 562	Pennsylvania 248
Ejecta 353	Melville Island well 467	Nuclear reactors, India 221	Ostriker, Jeremiah 43	Pickling solution 319
Fluid-bed 9	Nuclear blast 89	India 444	Otis, Arthur B. 96	Phosphates for cavities 70
Moon impact, Saturn 4-B 355, 407	Vehicles 73	Nuclear reactors, Living tissue 34	Outer planets, 1977 264	Cereals 536
Moon particle, Spherical 33	Nature Conservation Year 280	Nutrition, White House Conference 37	Owen, Thomas B. 368	Imbedded 537
Moon rocks	Naugle, John 5, 118	Nylon membranes 389	Oxgen, Tobias C. 290	Photons 120, 151, 474
Analysis of	Navarra, Fernand 574	Nyswander, Marie 366	Oxygen, Senile patients 506	Photosynthesis 260
Anorthosites 69	Navigational radio stars 513		Oxygen requirements, Aircraft 481	Reaction centers 12
Apollo 11 99	Moving-map system 269		Oxgen tank eruption 431	Simultaneous 152
Apollo 12 269, 428	Satellite network 508		Examined 455, 571, 598	Phycomycetes 260
Geochemical evolution 101	Neck, Metastatic nodes 272		Oxyocin, Noise 132	Physician payments, Medicare 170
Old	Neck irradiation 272		Oyama, Vance I. 64	Physician shortage 48
Solar history 35	Negros, In 247		Ozone, Lung disease 556	Physicists, Fewer jobs 171, 192
Moon soil 69, 243	Neighborhood Health Centers 276		Ozorio, Peter 613	Picciarello, Harry 240
Mooney, Vert 482	Nelson, Gaylord 8, 93, 266, 342, 453			Pico, Jose 272
Moore, Dan H. 611	Nelson, Glen D. 127			Pierce, Keith 227
Morgan, Carl 484	Neostigmine 197			Pifano, Felix 485
Morgan, Gregory 475, 476	Hypothalamus 349			Pigeons, Antifertility agent 248
Morgan, Jacqueline A. 601	Nephophan 374			Pilbeam, David 193
Morrison, George H. 69	Neuberg, Hugo 549			Pioneering line-ups, 1970-72 19
Morrison, James 507	Neuhauser, Frank L. 64			Piper, Arthur M. 314
Morrow, James E. 179	Neureiter, Norman P. 405			Pipetting device 111
Morton, Donald 344	Neurochemicals 197			Pipkin, Bernard W. 224
Moseley, Charles 367	Neutron/electron bond 92			Pitelka, Frank A. 290
Moses, Carl 367	Neutron radiography, Portable 221			Plant life, Pollution 555
Moskowitz, Marwin 11	Neutron stars, Magnetic fields 457			Plaques
Moss, Frank 551	Model 626			Blood vessel walls 415
Mother/infant interactions 506	Neutrons, Trapping 318			Proline hydroxylase 530
Moulton point 354	New Guinea natives 620			Plasma, Tokamak 373
Mt. Ararat expedition 574	Newman, William A. 364, 525			Plasma membranes, Cancer 510
Mount Asmara 579	Neyman, Jerzy 173, 365			Plasma research, Garbage 249
Mouse plague 290	Nick, Jeffrey 244			Plastic deformation theory 627
Mouse syndrome, Noise 133	Nickel-base alloy 108			Plastics
Mouthwash, Chlorhexidine 176	Nickel carbonyl 560			Biodegradation 484
Mowll, R. 605	Nierzwicki, Carl P. 61			Bone material 11
Movninan, Daniel	Nikolayev, Andrian G. 615			Glass beads 271
Patrick 37	Nikolayev, Andrian G. 615			Heard 375
Muehlnier, Dirk 465	Nitrate levels, Rio Grande 483			Hubs in tubing 424
Muhleman, Duane O. 481	Nitrate pollution 321			Lubricant 271
Muhler, Joseph C. 537	Nitriolactate (NIA) 408			Mine walls 174
Mulligan, Hugh F. 483	Nitrofururylidene 485			Roadbed
Multiple births, Preventable 98	Nitrogen oxide 172			strengtheners 128
Multipoles 374	Nitrogen-oxygen breathing 240			Plate tectonics
Mulvaney, D. J. 255	Nitrosamines 98			Americas 270
Municipal wastes, Plasma torch 250	Nixon, Richard M. 57, 143, 150			California 224
Murakami, Muroo 516	Budget 57, 143, 150			Gravity 191
Muscle fibers, Abnormal 506	Consumer message 506			Middle America 153
Muskie, Edmund S. 122, 168, 502, 576, 614	Environment 576			Mountain building 39
Mutagens, Toxicity 314	HEW veto 121			Rift Valley 458
Mutation, Sulfur dioxide 176	Health insurance 599			Platelets, Clotting 377
Myers, Albert E. 367	Leaded gasoline 167			Pleistocene
Myers, Dale 407	Pollution 122, 502			temperature 505
	Science policy 478, 572			Ploeghsare
	Scientific research standard treaty 476			Program 89, 148
	Nizel, Abraham E. 536			Plummer, William T. 222
	Noergaard, Jens 78			Plutonium particles, Inhaled 194
	Noise			Pocket coating gauge 111
	Effect on fetus 133			Polarization, Milky Way 477
	Electrocuting 221			Pollack, Robert 532
	Levels compared 132			Pollution
	Physiological effects 501			Antiscience bias 432
	Suppressors, SST 501			Effects on weather 390, 576
	Non-proliferation treaty, Japan 184			Pollution control
	Norred, William P. 530			Amortization 38
	Northwest Passage			Budgetary 122, 502
	Canada's jurisdiction 443			Minnesota 406
	International waters 420			Polmer, Ian 578
				Poly I:C 484
				Antibacterial immunity 323
				Polychlorinated biphenyls 321
				Polymer, Water, degradable 578
				Polyurethane 271
				Polyurethane 178, 349
				Po ywater 17, 71, 287
				Ponnamperum, Cyril A. 64
				Poonov, Vladimir 615
				Population and Environment 573
				Portable recorder 419
				Porter, Curt C. 410
				Portis, Alan 582
				Potassium sulfate 454
				Potomac River 433

Powell, Gloria	370	Brain	272	Robertson, Owen C. S.	443, 486	Schroeder, Henry A.	560	Siegel, Richard D.	554
Power failures	550	Radicals and		Rock, Stephen	457	Schuetz, Clark E.	319	Sierra Nevada	
Power/heat-source loop	12	activists	397, 475	Rock Impregnated	174	Schumm, Stanley A.	11	Cloud seeding	384
Power plant, Grand		Radio astronomy	512	Rock art, Australian	468	Schuyler, William E., Jr.	576	Sikorsky S-65	
Coule	329	Radio constellation	436	Rockefeller, John D. III	76	Schwartz, Charles	36	(CH-53-D)	481
Power source,		W49		Rockefeller, Phillips	37	Schwartz, Gunther	60	Slastic, Platelet	
Monochromatic light	331	Radio telescope network	513	Rocket, Nonguidance		Schwartz, Helmut	42	adherence	377
Pradhan, A. V.	605	Radio waves		system	232	Schwarzchild, Martin	43, 552	Siliceo, Emilio Perez	384
Prange, Henry D.	483	Clouds	436	Rockwell, T. H.	59	Schwenk, Carl	441	Silicon, Calcium levels	98
Prawn, Migrating	409	Frequency change	42	Roddy Flats, Radiation	194	Schwinger, Julian	69	Silicon transistor	529
Pregnancy,		Radioactivity		Roecker, Edwin	64	Science		Silicone joints	127
Pyelonephritis	372	Doubling-dose		Rogers, Lester O.	341	Canada	136, 380	Silver, George	48
Presidential science		concept	311	Rogers, Paul	183	Congressional		Silver sulfadiazine	619
policy	478, 572	Emission limits	311, 341	Rohr, Vivian J.	125	committees	289	Simmons, Gene	33, 478
Press, Frank	6, 100, 458	Nuclear cratering	364	Rommes, H. I.	525	French Sixth-plan	492	Simmons, Henry	183, 549
Pressure, Super-		Project Ploughshare	89	Ronk, Richard	388	Policy task force	478	Simons, Elwyn	193, 242
conductivity	436	Rocky Flats soil	194	Roosa, Stuart A.	478	Research	476	Simpson, Joanne	198
Pressure suit,		Waste disposal		Rosen, Samuel	132	Social relevance	5	Singer, Bea	568
Bleeding stopped	40	312, 406, 576		Rosenbaum, Milton	531	Student antipathy	475	Sinkhole sensing	371
Pressure within skull	435	Water vapor	97	Rosenthal, Stanley L.	270	Sleep		Skull, Kow Swamp	255
Preziosi, Thomas J.	96	Zero discharge	500	Ross, Bernard E.	424	Science and technology			
Price, Melvin	217	Radioactive dating,		Ross, Sherman	265	Priorities	143	Conditioning quality	301
Prince, Alfred M.	200	In error	434	Rossa, Stu	369	Science appointments,		Long and short	506
Princeton-Pennsylvania		Radiosonde, Collision		Rossmann, Michael G.	366	Politics	572	Slicks, Ocean surface	284
Accelerator	171, 192,	hazard	198	Rotary engine, Q-Star	369	Science education,		Slipped disk, Enzyme	435
239, 298, 327		Radiotherapy,		Roth, Lewis F.	41	NSF cuts	145	Smagorinsky, Joseph	342
Princeton Tokamak	374	Two-source	272	Roundworms,	246	Science Fair,		Smallpox vaccination	129
Progestin pill, Low-dose	93	Radium, Cervical	272	Rouse, Marvin	205	International	502	Smathers, Garrett	412
Progestogens	431	Rahm, D. C.	272	Rouse, Milford O.	47	Science Talent Search		Smith, A. Gilbert	
Project Eagle	241	Rainfall		Rowan, Paul K.	157	winners	123, 244	229, 320, 434, 505	
Project Schoner	97	Effect of seeding	173	Rubber vaccine	319	Science teaching,		Smith, Bradford A.	508
Project Seed	391	From half a cloud	461	Rubin, Albert	10	LHS	581-583	Smith, E. E.	455
Project Stormfury	573	Industry affects	390	Rubin, Judith S.	244	Scientific meetings,		Smith, L. J.	151
Project Themis	149, 485	Pulp mills	224, 522	Rubin, Meyer	622	FASEB	429	Smith, Marshall S.	247
Prokoshkin, Yuri D.	218	Seeding effect	384	Ruderman, Malvin A.	409	Scientists		Smith, Richard	452
Proline hydroxylase,		Weekdays	390	Runaway stars	553	Political action	452	Smog sources	
Plaque formation	530	Ramapithecus,		Ruoff, Arthur L.	623	Racial justice	391	Analysis	223
Promethium	147, 619	Hominid	193	Russell, William	311	Scientists Institute for		Smoke particles	147
Prostaglandins, F-2		Ramapithecus,		Russia,		Public Information	248	Smokers' blood,	
alpha	200	Ramaty, Reuven	559	Multiple satellite	428	Sco X-1, Variations	553	DPG levels	372
Protein deficiency	90	Ramdohr, Paul	34	Water pollution	628	Scott, David R.	369	Smoking	
Protein factor XII	376	Ramey, Henry J., Jr.	28	Ryan, James H.	620	Scott, Hugh	121, 122	Dog tumors	169
Proteins, Molecular		Rangelands,		Ryan, R. T.	608	Scout rocket	169, 232	Macrophages	
structure	366	Regrasping	41			Sea/air link	533	energized	556
Protest movement	125	Rango, Albert	462			Sea-floor spreading		Smoluchowski, Roman	626
Protest-pron		Rapp, Fred	200			Gravity	191	Snow, Joel A.	240
universities	531	Rappaport, S.	457			Mountain building	39	Snowmobiles, Menace	
Proton accelerator ring	479	Raskind, Robert	272			Thrusting rates	154	to fish	409
Proton magnetic		Rats				Sea-level canal	505	Snowbanks,	
resonance	71	Killing behavior	197			Alternate routes	363	Ecosystems	532
Proton scattering	126	Operant conditioning	275			SOVAL	364	Snowpack modification	
protoplanets	71	Warfarin control	409			Project feasibility	148	365, 462	
Protozoa populations	532	Rayleigh wave				Radioactivity	90	Snyder, Conway	269
Proust, Thaddeus	527	patterns	8			Sea snake, Pacific	364	Snyder, Robert L.	483
Proxmire, William	540	Reagan, Ronald	12, 73			Seabed treaty	526, 613	Social concern,	
Psilocin, Electronic		Ream, Allen	500			Seaborg, Glenn T.		Churches	370
structure	410	Recher, Harry and	321			Seaburn, G. E.	502	Social protests,	
Psoriasis, Methotrexate	549	Judy				239, 430, 502		Bargaining	125
Pteranodon fossils	247	Recreation areas,				Seamounts, Pacific	532	Social relevance,	
Pulmonary disease		Funds	147			Security blacklist,	458	Sciences	391
Oxidant pollution	556	Red cell damage	530			HEW	36	Social-science	
Pulmonary embolism,		Red oil concentrates	104			Sediments		research, DOD	36
Heart-Lung machine	346	Redshift, V. C.	273			Atlantic Ocean	547	Sociology, Harvard	589
Pulo mills,		Redshift, Quasar	553			Oil-bearing	467	Sodium breeder	148, 554
Precipitation	324	Reed, John C. W. Jr.	69			Segregated schools,		Soil from lava	411
Pulsars		Reed, John C.	178			Self-concept	370	Soils, Lead in	223
Magnetism not		Reef, John F.	44			Seiler, W.	458	Solar eclipse, March 7	227, 268
nuclear	222	Reef Heron	321			Seismic impact,		Solar science	35
NP 0532	222, 457	Reemtsma, Keith				Saturn S4-B	407	Solar-Terrestrial	
Neutron stars	43	Rees, Douglas C.	295, 347, 415			Seismic shock, Nuclear		Research, NAS	124
Planets and glitches	222	Recher, Gerhard	221			cratering	90, 97	Solar wind	
Runaway remnants	553	Reflection, Inherent	322			Seismic track,		Measurements	508
Speed-up theories	627	Regional Medical				Seismicity, Middle	487	Moon's helium	69
Pulsed radiation	43	Programs	145			America	153	Particles	269
Purchase, H. Graham	200	Relativity,				Seismology,		Protons darken	
Pyelonephritis, Fluid		Brans-Dicke theory	574			Los Angeles	320	moon	69
intake	372	Remington, Jack S.	484			Seismometer, Passive	269	Spectrometer	269
Pyroxene, Lunar	100	Rengel, Joseph C.	322			Sell, Kenneth	297	Solid waste	
		Research, "Directed"	596			Semermeability	260	Federal funds	599
		Research funding				Senfite, Frank E.	245	Glass bubbles	529
		Resin, Against elodea	532			Senility, Oxygen	506	Tires	271, 578
		Resonance Z*	318			Serotonin levels,		Solfuconing, Pipeline	178
		Retina, Effect of light	260			Serpukhov synchrotron	370	Sondergaard, Jorgen	410
		Revenue-sharing	122			218, 437		Sonett, Charles P.	269
		Reynolds, Harry L.	367			Sewage		Sonic boom, Dairy cows	72
		R-factor, Miruru	152			Sewage, Fertilizer	223	Sound waves,	
		Rhea, J. Owen	365			Phosphorus removal	248	100 miles high	553
		Rheumatoid hand,				\$10 billion for	122	Decibel chart	132
		Treatment	317			Tertiary process	408, 433	Whales	553
		Rhoades, William T.	345			Sewage treatment plants		Southern California	
		Ribicoff, Abraham A.	583			Sex change	122, 147, 502	beaches, Eroded	224
		Rice, Robert A.	583			Seyfert galaxies,	506	Soviet delinquency	589
		Richmond, Chester	194			Shank, C. V.		Soyuz 9	552, 599, 615
		Richter, Juergen H.	622			Nuclei	465	Space	
		Rickover, Hyman	148, 504			Shapiro, Robert	552	Authorizations	291, 292
		Rifampicin, Antiviral	70			Sharp, Mitchell	577	Canadian committee	175
		Rifampicin, Tuberculosis	152			Shaw, Herbert R.	579	Escape vehicles	520
		Rift system, East	39			Sheffey, John P.	363	HEAO observatory	369
		Right-to-read project	265			Shell model		Japan's efforts	516
		Rinehart, John S.	608			Two centers	318	Orbiting manned	
		Ringwood, A. E. 34, 56, 429				Shell Oil, Explosions	529	491	
		Ritchie-Calder, Lord	613			Shen, L. Y. L.	553	Stratoscope II	343
		Ritter, James	271			Shepard, Alan B.	369, 478	Pioneers	19
		Ritvo, Edward R.	370			Sherburne, E. G., Jr.	502	Two monkeys	251
		Rivers				Shinsky, Kirk A.	244	Space curvature,	
		Arsenic in	321			Shivanandan, Kandiah	244	Pulsars	457
		Mercury levels	388			Shoemaker, William	453	Space flight record	599
		Thermal effect	532			Shoemaker, Eugene M.		Space photography	22
		Roadbed, Plastics	128			5, 11, 61		Space programs	
		Robbins, Jacob	372			Shoreline changes	223	AAAS	5
		Robeck, Gordon	614			Shragge, B. W.	199	Benefits	308
		Roberts, Walter	6, 118, 308			Shrimp,		President Nixon's	264
		Robertson, Anthony	216			Predator control	72	Space shuttle	22, 343
						Starfish	552	Alloys	107
						Shulman, Leonard B.	10	Design contract	508
						Sidel, Victor W.	6	Landing test	520
								Mini	580
								Nuclear	440
								Safety problems	592

Space station	21	Pressure	436	Thorium oxide	107	Vanadium, Air	223	Weight loss,	531
AAP	592	Tantalum	553	Thornber, J. P.	12	pollutant	223	Superobese	531
Habitability	592	Theory vs.	313	Thorne, Alan	254, 468	Boston levels	538	Weightlessness	37
Modules	592	experiment	602	Threshold theory,	311	Sulfur trioxide	561	Biological effect	22
Russian launch	428	Two-dimensional	602	Radiation	621	Vandam, Leroy D.	202	Present record	37
Zero gravity	592	Superfluid, Helium	151	Thunderstorms	621	Van de Castle, R. L.	589	Weil, Andrew T.	158, 531
Space tug		molecules	553	Thygesen, Paul	604	Vandenburgh, William E.	97	Weingarten, David	126
Multipurpose	580	Supernova Remnant	553	Thyroid cancer test	619	Vanderzant, Erma S.	319	Weiss, Harvey	410
Sparks, Robert	389	Supernova speeds,	205	Tic, William P.	372	Van Houten, J. B.	39	Weissman, Norman	415
Spastic paralysis,		Traffic control	552	Tide, William P.	435	Van Houweling, C. D.	618	Welch, David C.	624, 627
Surgery	127	Supersonic transport	501, 413	Time reversal	170	Vasilevski, Stanislaus	227	Welch, David C.	132
Spectrography,		Sursey, Life forms	501, 413	Tested	327, 457	Vector mesons	151, 617	Welding, Composite	128
Air sampler	539	Surveyor 3	580	Tipsy-43	9	Veeh, H. H.	505	Welfare reform	121, 146, 216
Spectrophotometer	230	Suspended matter,	173	Tire treads, Fly ash	271	Vela pulsar	626, 627	Weng, S. T.	484
Spectroradiometer		Alongshore	435	Tires, Boil-off	578	Vela satellites, Last	369	Wenzel, Robert	93
probe	231	Sussman, Bernard J.	424	Titanium, Enriching	484	Veneman, John G.	241	Wert, Gibson C.	89
Speech therapy	601	Sutherland, K. K.	245	Todder, George	576, 344	Venezuela, Chagas	485	Westinghouse reactor	500
Spherules,		Suzuki, Shigeto	199	Torge, Fred	592	Venus clouds	222	Westinghouse Science	
Extraterrestrial	173	Swann, Henry E., Jr.	70	Tokamak plasma,		Vesta, Pigeonite	617	Scholarships	123, 244
Spiegel, John P.	460, 547	Swann, M. M.	26	Tokuyama, Takashi	373	Vicon Apriton	112	Whalen, William J.	190
Spiegelman, Sol	460, 547	Swanson, Alfred B.	127	Tolbutamide, Mortality	529	Video panel displays	345	Whales	488
Sprint intercept	548	Swanson, David W.	531	Tompkins, D. R.	151	Violence, Students	452	Atkinson Point	488
Sprill, Walter P.		Swedish lakes,	555	Tompkins, Paul C.	311	Viral RNA and	460	Product songs	555
155, 229, 320		Swallowing difficulties	549	Toombs, Ralph	467	Virease	460	Wheeler, Henry P.	575
Sputum analysis	556	Sweet, Robert D.	72	Top-loading scale	231	Viruses		White, Milton G.	
Squid, 18 feet long	483	Swigert, John L.	387, 407, 431	Topp, Robert W.	364	Lassa fever	288	White pines,	
Squires, Arthur M.		Swinerton, J. W.	96	Tornado, Buildings	599	Population size	255	Breeding	63
Sramek, Richard	575	Sykes, Lynn R. 7, 154, 434		Tornado, Electricity	599	Rifampicin blocks	70	Whitfield, G. R.	247
Staber, George	491	Symbiosis	620	Todder, John R.	217	Visceral learning	274, 275	Wiberg, Kenneth	477
Stanford Linear		Symbolism, Ice Age	242	Toxicity, Lunar soil	243	Vitamins, Needless	152	Wickert, Frederick A.	397
Accelerator	239, 298	Symmetric hydrogen	287	Toxins banned	194	Volcanic eruptions	173	Wiesner, Jerome S.	475, 549
Star clusters	42	bonds		Trace elements		Magnetic observations	39	William, M. C.	384
Starfish, Coral-eating	315	Elementary particles	457	Hazards	560	Volcanos, Ecological		Wilson, Harold	256
Damage transitory	525	Field theory	120	In air and water	538	laboratories	411	Wilson, John O.	146, 217
Eastern Pacific	552	Three bodies	219	In fish	284	Volchok, H. L.	270	Wilson, Robert E.	553
Shrimp	552	Synchrotron, 76 GeV	437	Trafford, Laurence M.	577	Voss, Gilbert L.	483	Wilson, Robert R.	392, 490
Stark, Rodney	370	Synthetic cigarettes	346	Train, Russell	168	Vuitch, Milan	75	Wilson, Vernon	572
Starlifters, Landing		Syringe pump	514	Trans-Alaska Pipeline	177, 389, 432			Wind measurement,	
system	95	Szabo, K. T.	63	Transantarctic Mountains,				Tropics	394
Starquake theory	627	Szmant, Alina N.	240	fossils	325, 351			Wind tunnel,	
Stars	106, 226, 330, 628, 511, 627			Transfusion regulator	128			Rolling	175
Automated scanning	273			Transistors				Windigo psychosis	125
Three classes	43			Alumina-phosphoric				Winkler, F.	151
Young	595			oxide	529			Winkler, Ruth E.	260
Starzl, Thomas E.	202			Ultrathin	174			Winters, W. H.	605
State of the Union				Transplants, Liver	203			Wissler, Robert W.	40
message	121			Transplants, Organs	295			Withee, Walter W.	592
Steady state theory	464			Transsexuals,				Wittig, Jorg	476
Stein, Peter G.	617			Operations	506			Wolcott, Mark	203
Steinberg, Alfred D.	323			Trauma, Oxygen lack	556			Wolin, Sheldon S.	476
Steinbrunn, F.	69			Trethewie, E. R.	619			Wolpert, Lewis	215
Stiefel, Jesse	596			Triassic reptile fossils	352			Wood, J. A.	34, 69
Stellar collisions	552			Triatoma, Biological				Wood protection,	
Stellar formation	595			control	485			Dieldrin	484
Stern, Maurice B.	301			Tribus, Myron	365, 461			Woodcock, A. H.	579
Stern, Daniel M.	112			Tridium				Worden, Alfred M.	369
Sterritt, G. M.	501			Disruption cyclic	97			Work satisfaction	589
Stetler, C. Joseph	181			Nuclear power				Working rats	247
Stevens, Paul M.	556			plants	341, 500			World-wide weather	
Stewart, Alice	311			Tropical storm model	270			balloons	393
Stewart, Richard D.	321			Tropical weather,				Wormington, H. Marie	91
Stewart, T. Dale	91			Atlantic	342			Worzel, J. Lamar	479
Stickle, Wilbur H.	617			Trout, DDT slows	452			Wotman, Stephen	40
S. mach, Armen	312			Trueblood, H. Ward	49			Wynne, K. J.	391
Stokey, George K. 70,	537			Trypanosoma cruzi	485				
Strassenburg, Arnold A.				Trypsin, Emphysema	556				
171, 452				Tuberculosis, Rifampin	152				
Stratoscope II	343, 552			Tuerck, David G.	122				
Stratospheric balloons	394			Tufts, Robert S.	122, 150				
Stratospheric humidity	579			Tullis, David C. H.	246				
Strauch, Karl	299			Tundra Biome					
Strawberries, Papayas				Turner, Neely	218				
irradiated	217			Turner, Ralph H.	125				
Stream ecology,				Tuve, Merle	544				
Pollutants	248								
Streptococcus mitis	580								
Stress									
Long-term effects	604								
Recorded in epoxy	424								
Strong, Herbert M.	578								
Strontium 90, Oceans	270								
Student failure,									
Conditioned	322								
Student protest	475								
Activists	342, 397, 476								
Environmental									
teach-in	342								
Nihilists	451								
Nonactivist	397								
Protest-prone									
Institutions	531								
Radicals	397								
Subatomic particles									
119, 126, 151									
Submersible, NEMO	424								
Sudarshan, E. C. G.	126								
Sugar polymers	568								
Sugg, Arnold L.	573								
Suicide, Reptiles	531								
Sulfur and selenium	539								
Sulfur dioxide									
Analyzer	514								
Control	147, 245								
Fluidized bed									
combustion	11								
Guinea pigs	70								
Mutations, and									
cancer	176								
Smoke stacks	147								
Sulfur-oxygen control	554								
Sullivan, Leonor K.	363								
Sullivan, W. T. III	436								
Summer solstice	511								
Sundquist, James L.	222								
Sunspot map	268								
Superconducting									
plastics	379								
Suerconductivity									
Lead-bismuth-glass	577								
Magnetism link	71								